

Express Mail Label No.

Docket No.
FIS9-2001-0168US1

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled
FINE-PITCH DEVICE LITHOGRAPHY USING A SACRIFICIAL HARDMASK

the specification of which

(check one)

☒ is attached hereto.

☐ was filed on _____ as United States Application No. or PCT International

Application Number _____

and was amended on _____

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Joseph P. Abate, Registration No. 30,328;
Jay H. Anderson, Registration No. 38,371;
Ira D. Blecker, Registration No. 29,894;
Steven Capella, Registration No. 33,086;
Susan M. Murray, Registration No. 38,252;
Daryl K. Neff, Registration No. 38,253;
Eric W. Petraske, Registration No. 28,459;
William P. Skladony, Registration No. 33,787;
H. Daniel Schnurmann, Registration No. 35,791;
Tiffany L. Townsend, Registration No. 43,199;
Margaret A. Pepper, Registration No. 45,008

Jesse L. Abzug, Registration No. 31,316
Eugene I. Shkurko, Registration No. 36,678
Harold Huberfeld, Registration No. 26,665
Todd M. C. Li, Registration No. 45,554
all of INTERNATIONAL BUSINESS MACHINES
CORPORATION;
John E. Hoel, Registration No. 26,279
Christopher A. Hughes, Registration No. 26,914
Edward A. Pennington, Registration No. 32,588
Joseph C. Redmond, Jr., Registration No. 18,753
all of MORGAN & FINNEGAN, L.L.P.

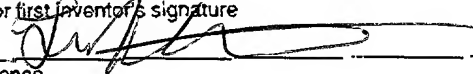
Send Correspondence to: Jay H. Anderson
IBM Corporation - Zip 482
2070 Route 52
Hopewell Junction, NY 12533

Direct Telephone Calls to: (name and telephone number)
Jay H. Anderson, Reg. No. 38,371, (845)894-3667

Full name of sole or first inventor

Timothy J. Dalton

Sole or first inventor's signature



Date

12/13/01

Residence

72 Sarah Bishop Road, Ridgefield, CT 06877

Citizenship

USA

Post Office Address

72 Sarah Bishop Road, Ridgefield, CT 06877

Full name of second inventor, if any

Minakshisundaran B. Anand

Second inventor's signature

Date

Residence

19264 Circle Gate Dr. #102, Germantown, MD 20874

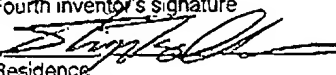
Citizenship

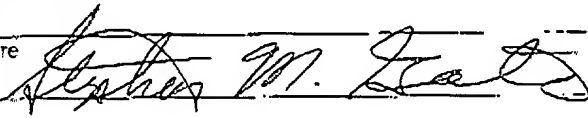
India

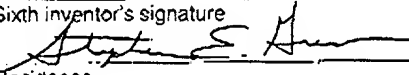
Post Office Address

19264 Circle Gate Dr. #102, Germantown, MD 20874

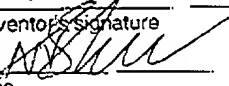
Full name of third inventor, if any Michael D. Armacost	
Third inventor's signature	Date
Residence 6577 Springpath Lane, San Jose, CA 95120	
Citizenship USA	
Post Office Address 6577 Springpath Lane, San Jose, CA 95120	

Full name of fourth inventor, if any Shyng-Tsong Chen	
Fourth inventor's signature 	Date 12/07/2001
Residence 111 Cornwall Meadows, Patterson, NY 12563	
Citizenship USA	
Post Office Address 111 Cornwall Meadows, Patterson, NY 12563	

Full name of fifth inventor, if any Stephen M. Gates	
Fifth inventor's signature 	Date 12/10/01
Residence 22 Inningwood Road, Ossining, NY 10562	
Citizenship USA	
Post Office Address 22 Inningwood Road, Ossining, NY 10562	

Full name of sixth inventor, if any Stephen E. Greco	
Sixth inventor's signature 	Date 12-13-01
Residence 77 Harden Drive, LaGrangeville, NY 12540	
Citizenship USA	
Post Office Address 77 Harden Drive, LaGrangeville, NY 12540	

Full name of seventh inventor, if any Simon M. Karecki (deceased), by Anna Karecki (administratrix)	
Seventh inventor's signature	Date
Residence 152 Monitor Street, Apt. 3L, Brooklyn, NY 11222	
Citizenship USA	
Post Office Address 152 Monitor Street, Apt. 3L, Brooklyn, NY 11222	

Full name of eighth inventor, if any Satyanarayana V. Nitta	
Eighth inventor's signature 	Date 12/11/01
Residence 118 Roosevelt Drive, Poughquag, NY 12570	
Citizenship India	
Post Office Address 118 Roosevelt Drive, Poughquag, NY 12570	

Full name of ninth inventor, if any	
Ninth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Full name of tenth inventor, if any	
Tenth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Docket No.
FIS9-2001-0168US1

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

FINE-PITCH DEVICE LITHOGRAPHY USING A SACRIFICIAL HARDMASK

the specification of which

(check one)

☒ is attached hereto.

☐ was filed on _____ as United States Application No. or PCT International

Application Number _____

and was amended on _____

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(list name and registration number)*

Joseph P. Abate, Registration No. 30,328;
 Jay H. Anderson, Registration No. 38,371;
 Ira D. Blecker, Registration No. 29,894;
 Steven Capella, Registration No. 33,086;
 Susan M. Murray, Registration No. 38,252;
 Daryl K. Neff, Registration No. 38,253;
 Eric W. Petraske, Registration No. 28,459;
 William P. Skladony, Registration No. 33,787;
 H. Daniel Schnurmann, Registration No. 35,791;
 Tiffany L. Townsend, Registration No. 43,199;
 Margaret A. Pepper, Registration No. 45,008

Jesse L. Abzug, Registration No. 31,316
 Eugene I. Shkurko, Registration No. 36,678
 Harold Huberfeld, Registration No. 26,665
 Todd M. C. Li, Registration No. 45,554
 all of INTERNATIONAL BUSINESS MACHINES CORPORATION;
 John E. Hoel, Registration No. 26,279
 Christopher A. Hughes, Registration No. 26,914
 Edward A. Pennington, Registration No. 32,588
 Joseph C. Redmond, Jr., Registration No. 18,753
 all of MORGAN & FINNEGAN, L.L.P.

Send Correspondence to: Jay H. Anderson
 IBM Corporation - Zip 482
 2070 Route 52
 Hopewell Junction, NY 12533

Direct Telephone Calls to: *(name and telephone number)*
 Jay H. Anderson, Reg. No. 38,371, (845)894-3667

20240828500

Full name of sole or first inventor Timothy J. Dalton	
Sole or first inventor's signature	Date
Residence 72 Sarah Bishop Road, Ridgefield, CT 06877	
Citizenship USA	
Post Office Address 72 Sarah Bishop Road, Ridgefield, CT 06877	

Full name of second inventor, if any Minakshisundaran B. Anand	
Second inventor's signature <i>M. B. Anand</i>	Date <i>12/21/2001</i>
Residence 19264 Circle Gate Dr. #102, Germantown, MD 20874	
Citizenship India	
Post Office Address 19264 Circle Gate Dr. #102, Germantown, MD 20874	

Full name of third inventor, if any Michael D. Armacost	
Third inventor's signature	Date
Residence 6577 Springpath Lane, San Jose, CA 95120	
Citizenship USA	
Post Office Address 6577 Springpath Lane, San Jose, CA 95120	

Full name of fourth inventor, if any Shyng-Tsong Chen	
Fourth inventor's signature	Date
Residence 111 Cornwall Meadows, Patterson, NY 12563	
Citizenship USA	
Post Office Address 111 Cornwall Meadows, Patterson, NY 12563	

Full name of fifth inventor, if any Stephen M. Gates	
Fifth inventor's signature	Date
Residence 22 Inningwood Road, Ossining, NY 10562	
Citizenship USA	
Post Office Address 22 Inningwood Road, Ossining, NY 10562	

Full name of sixth inventor, if any Stephen E. Greco	
Sixth inventor's signature	Date
Residence 77 Harden Drive, LaGrangeville, NY 12540	
Citizenship USA	
Post Office Address 77 Harden Drive, LaGrangeville, NY 12540	

Full name of seventh inventor, if any Simon M. Karecki (deceased), by Anna Karecki (administratrix)	
Seventh inventor's signature	Date
Residence 152 Monitor Street, Apt. 3L, Brooklyn, NY 11222	
Citizenship USA	
Post Office Address 152 Monitor Street, Apt. 3L, Brooklyn, NY 11222	

Full name of eighth inventor, if Satyanarayana V. Nitta	
Eighth inventor's signature	Date
Residence 118 Roosevelt Drive, Poughquag, NY 12570	
Citizenship India	
Post Office Address 118 Roosevelt Drive, Poughquag, NY 12570	

Full name of ninth inventor, if any	
Ninth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Full name of tenth inventor, if any	
Tenth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Docket No.
FIS9-2001-0168US1

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

FINE-PITCH DEVICE LITHOGRAPHY USING A SACRIFICIAL HARDMASK

the specification of which

(check one)

☒ is attached hereto.

☐ was filed on _____ as United States Application No. or PCT International

Application Number _____

and was amended on _____

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(list name and registration number)*

Joseph P. Abate, Registration No. 30,328;
 Jay H. Anderson, Registration No. 38,371;
 Ira D. Blecker, Registration No. 29,894;
 Steven Capella, Registration No. 33,086;
 Susan M. Murray, Registration No. 38,252;
 Daryl K. Neff, Registration No. 38,253;
 Eric W. Petraske, Registration No. 28,459;
 William P. Skladony, Registration No. 33,787;
 H. Daniel Schnurmann, Registration No. 35,791;
 Tiffany L. Townsend, Registration No. 43,199;
 Margaret A. Pepper, Registration No. 45,008

Jesse L. Abzug, Registration No. 31,316
 Eugene I. Shkurko, Registration No. 36,678
 Harold Huberfeld, Registration No. 26,665
 Todd M. C. Li, Registration No. 45,554
 all of INTERNATIONAL BUSINESS MACHINES CORPORATION;
 John E. Hoel, Registration No. 26,279
 Christopher A. Hughes, Registration No. 26,914
 Edward A. Pennington, Registration No. 32,588
 Joseph C. Redmond, Jr., Registration No. 18,753
 all of MORGAN & FINNEGAN, L.L.P.

Send Correspondence to: Jay H. Anderson
 IBM Corporation - Zip 482
 2070 Route 52
 Hopewell Junction, NY 12533

Direct Telephone Calls to: *(name and telephone number)*
 Jay H. Anderson, Reg. No. 38,371, (845)894-3667

Full name of sole or first inventor

Timothy J. Dalton

Sole or first inventor's signature

Date

Residence

72 Sarah Bishop Road, Ridgefield, CT 06877

Citizenship

USA

Post Office Address

72 Sarah Bishop Road, Ridgefield, CT 06877

Full name of second inventor, if any

Minakshisundaran B. Anand

Second inventor's signature

Date

Residence

19264 Circle Gate Dr. #102, Germantown, MD 20874

Citizenship

India

Post Office Address

19264 Circle Gate Dr. #102, Germantown, MD 20874

2025-01-09 10:00:00

Full name of third inventor, if any Michael D. Armacost	
Third inventor's signature <i>Michael D. Armacost</i>	Date <i>1/9/02</i>
Residence 6577 Springpath Lane, San Jose, CA 95120	
Citizenship USA	
Post Office Address 6577 Springpath Lane, San Jose, CA 95120	

Full name of fourth inventor, if any Shyng-Tsong Chen	
Fourth inventor's signature	Date
Residence 111 Cornwall Meadows, Patterson, NY 12563	
Citizenship USA	
Post Office Address 111 Cornwall Meadows, Patterson, NY 12563	

Full name of fifth inventor, if any Stephen M. Gates	
Fifth inventor's signature	Date
Residence 22 Inningwood Road, Ossining, NY 10562	
Citizenship USA	
Post Office Address 22 Inningwood Road, Ossining, NY 10562	

Full name of sixth inventor, if any Stephen E. Greco	
Sixth inventor's signature	Date
Residence 77 Harden Drive, LaGrangeville, NY 12540	
Citizenship USA	
Post Office Address 77 Harden Drive, LaGrangeville, NY 12540	

Full name of seventh inventor, if any

Simon M. Karecki (deceased), by Anna Karecki (administratrix)

Seventh inventor's signature

Date

Residence

152 Monitor Street, Apt. 3L, Brooklyn, NY 11222

Citizenship

USA

Post Office Address

152 Monitor Street, Apt. 3L, Brooklyn, NY 11222

Full name of eighth inventor, if

Satyanarayana V. Nitta

Eighth inventor's signature

Date

Residence

118 Roosevelt Drive, Poughquag, NY 12570

Citizenship

India

Post Office Address

118 Roosevelt Drive, Poughquag, NY 12570

Full name of ninth inventor, if any

Ninth inventor's signature

Date

Residence

Citizenship

Post Office Address

Full name of tenth inventor, if any

Tenth inventor's signature

Date

Residence

Citizenship

Post Office Address

Docket No.
FIS9-2001-0168US1

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled
FINE-PITCH DEVICE LITHOGRAPHY USING A SACRIFICIAL HARDMASK

the specification of which

(check one)

☒ is attached hereto.

☐ was filed on _____ as United States Application No. or PCT International Application Number _____ and was amended on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)			Priority Not Claimed
_____	_____	_____	_____
(Number)	(Country)	(Day/Month/Year Filed)	
_____	_____	_____	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(list name and registration number)*

Joseph P. Abate, Registration No. 30,328;
 Jay H. Anderson, Registration No. 38,371;
 Ira D. Blecker, Registration No. 29,894;
 Steven Capella, Registration No. 33,086;
 Susan M. Murray, Registration No. 38,252;
 Daryl K. Neff, Registration No. 38,253;
 Eric W. Petraske, Registration No. 28,459;
 William P. Skladony, Registration No. 33,787;
 H. Daniel Schnurmann, Registration No. 35,791;
 Tiffany L. Townsend, Registration No. 43,199;
 Margaret A. Pepper, Registration No. 45,008

Jesse L. Abzug, Registration No. 31,316
 Eugene I. Shkurko, Registration No. 36,678
 Harold Huberfeld, Registration No. 26,665
 Todd M. C. Li, Registration No. 45,554
 all of INTERNATIONAL BUSINESS MACHINES
 CORPORATION;
 John E. Hoel, Registration No. 26,279
 Christopher A. Hughes, Registration No. 26,914
 Edward A. Pennington, Registration No. 32,588
 Joseph C. Redmond, Jr., Registration No. 18,753
 all of MORGAN & FINNEGAN, L.L.P.

Send Correspondence to: Jay H. Anderson
 IBM Corporation - Zip 482
 2070 Route 52
 Hopewell Junction, NY 12533

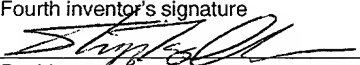
Direct Telephone Calls to: *(name and telephone number)*
 Jay H. Anderson, Reg. No. 38,371, (845)894-3667

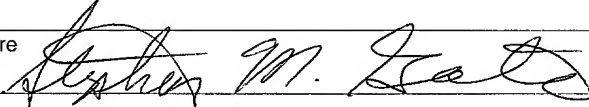
2025-01-01 10:00:00

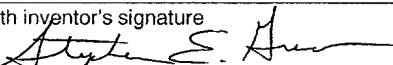
Full name of sole or first inventor Timothy J. Dalton	
Sole or first inventor's signature	Date
Residence 72 Sarah Bishop Road, Ridgefield, CT 06877	
Citizenship USA	
Post Office Address 72 Sarah Bishop Road, Ridgefield, CT 06877	

Full name of second inventor, if any Minakshisundaran B. Anand	
Second inventor's signature	Date
Residence 19264 Circle Gate Dr. #102, Germantown, MD 20874	
Citizenship India	
Post Office Address 19264 Circle Gate Dr. #102, Germantown, MD 20874	

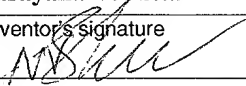
Full name of third inventor, if any Michael D. Armacost	
Third inventor's signature	Date
Residence 6577 Springpath Lane, San Jose, CA 95120	
Citizenship USA	
Post Office Address 6577 Springpath Lane, San Jose, CA 95120	

Full name of fourth inventor, if any Shyng-Tsong Chen	
Fourth inventor's signature 	Date 12/07/2001
Residence 111 Cornwall Meadows, Patterson, NY 12563	
Citizenship USA	
Post Office Address 111 Cornwall Meadows, Patterson, NY 12563	

Full name of fifth inventor, if any Stephen M. Gates	
Fifth inventor's signature 	Date 12/10/01
Residence 22 Inningwood Road, Ossining, NY 10562	
Citizenship USA	
Post Office Address 22 Inningwood Road, Ossining, NY 10562	

Full name of sixth inventor, if any Stephen E. Greco	
Sixth inventor's signature 	Date 12-13-01
Residence 77 Harden Drive, LaGrangeville, NY 12540	
Citizenship USA	
Post Office Address 77 Harden Drive, LaGrangeville, NY 12540	

Full name of seventh inventor, if any Simon M. Karecki (deceased), by Anna Karecki (administratrix)	
Seventh inventor's signature	Date
Residence 152 Monitor Street, Apt. 3L, Brooklyn, NY 11222	
Citizenship USA	
Post Office Address 152 Monitor Street, Apt. 3L, Brooklyn, NY 11222	

Full name of eighth inventor, if any Satyanarayana V. Nitta	
Eighth inventor's signature 	Date 12/11/01
Residence 118 Roosevelt Drive, Poughquag, NY 12570	
Citizenship India	
Post Office Address 118 Roosevelt Drive, Poughquag, NY 12570	

Full name of ninth inventor, if any	
Ninth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Full name of tenth inventor, if any	
Tenth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Docket No.
FIS9-2001-0168US1

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

FINE-PITCH DEVICE LITHOGRAPHY USING A SACRIFICIAL HARDMASK

the specification of which

(check one)

☒ is attached hereto.

☐ was filed on _____ as United States Application No. or PCT International Application Number _____ and was amended on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(list name and registration number)*

Joseph P. Abate, Registration No. 30,328;

Jay H. Anderson, Registration No. 38,371;

Ira D. Blecker, Registration No. 29,894;

Steven Capella, Registration No. 33,086;

Susan M. Murray, Registration No. 38,252;

Daryl K. Neff, Registration No. 38,253;

Eric W. Petraske, Registration No. 28,459;

William P. Skladony, Registration No. 33,787;

H. Daniel Schnurmann, Registration No. 35,791;

Tiffany L. Townsend, Registration No. 43,199;

Margaret A. Pepper, Registration No. 45,008

Jesse L. Abzug, Registration No. 31,316

Eugene I. Shkurko, Registration No. 36,678

Harold Huberfeld, Registration No. 26,665

Todd M. C. Li, Registration No. 45,554

all of INTERNATIONAL BUSINESS MACHINES CORPORATION;

John E. Hoel, Registration No. 26,279

Christopher A. Hughes, Registration No. 26,914

Edward A. Pennington, Registration No. 32,588

Joseph C. Redmond, Jr., Registration No. 18,753

all of MORGAN & FINNEGAN, L.L.P.

Send Correspondence to: Jay H. Anderson
IBM Corporation - Zip 482
2070 Route 52
Hopewell Junction, NY 12533

Direct Telephone Calls to: *(name and telephone number)*

Jay H. Anderson, Reg. No. 38,371, (845)894-3667

Full name of sole or first inventor

Timothy J. Dalton

Sole or first inventor's signature

Date

Residence

72 Sarah Bishop Road, Ridgefield, CT 06877

Citizenship

USA

Post Office Address

72 Sarah Bishop Road, Ridgefield, CT 06877

Full name of second inventor, if any

Minakshisundaran B. Anand

Second inventor's signature

Date

Residence

19264 Circle Gate Dr. #102, Germantown, MD 20874

Citizenship

India

Post Office Address

19264 Circle Gate Dr. #102, Germantown, MD 20874

Full name of third inventor, if any Michael D. Armacost	
Third inventor's signature	Date
Residence 6577 Springpath Lane, San Jose, CA 95120	
Citizenship USA	
Post Office Address 6577 Springpath Lane, San Jose, CA 95120	

Full name of fourth inventor, if any Shyng-Tsong Chen	
Fourth inventor's signature	Date
Residence 111 Cornwall Meadows, Patterson, NY 12563	
Citizenship USA	
Post Office Address 111 Cornwall Meadows, Patterson, NY 12563	

Full name of fifth inventor, if any Stephen M. Gates	
Fifth inventor's signature	Date
Residence 22 Inningwood Road, Ossining, NY 10562	
Citizenship USA	
Post Office Address 22 Inningwood Road, Ossining, NY 10562	

Full name of sixth inventor, if any Stephen E. Greco	
Sixth inventor's signature	Date
Residence 77 Harden Drive, LaGrangeville, NY 12540	
Citizenship USA	
Post Office Address 77 Harden Drive, LaGrangeville, NY 12540	

Full name of seventh inventor, if any Simon M. Karecki (deceased), by Anna Karecki (administratrix)	
Seventh inventor's signature <i>Anna Karecki</i>	Date <i>12/12/01</i>
Residence 152 Monitor Street, Apt. 3L, Brooklyn, NY 11222	
Citizenship USA <i>POLAND</i>	
Post Office Address 152 Monitor Street, Apt. 3L, Brooklyn, NY 11222	

Full name of eighth inventor, if any Satyanarayana V. Nitta	
Eighth inventor's signature	Date
Residence 118 Roosevelt Drive, Poughquag, NY 12570	
Citizenship India	
Post Office Address 118 Roosevelt Drive, Poughquag, NY 12570	

Full name of ninth inventor, if any	
Ninth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Full name of tenth inventor, if any	
Tenth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	